Part 1 General

1.1 REFERENCES

.1 CAN/CSA G164 – Hot Dip Galvanizing of Irregularly Shaped Articles

.2 CSA B111 - Wire Nails, Spikes and Staples

.3 CSA O141 - Softwood Lumber

.4 National Lumber Grades Authority (NLGA) - Standard Grading Rules for Canadian Lumber

1.2 QUALITY ASSURANCE

.1 Lumber Products: Graded and stamped to NLGA requirements.

1.3 DELIVERY, STORAGE, AND PROTECTION

.1 Protect materials from warping or other distortion by stacking in vertical position.

Part 2 Products

2.1 LUMBER MATERIALS

.1 Blocking, miscellaneous: CSA O141; non-structural, light grade.

2.2 ACCESSORIES

.1 Nails, spikes, staples to CSA B111

.2 Fasteners and Anchors:

.1 Fasteners: Hot dipped galvanized steel to CAN/CSA G164 for high humidity and treated wood locations, unfinished steel elsewhere.

.2 Anchors: Toggle bolt type for anchorage to hollow masonry, expansion shield and lag bolt type for anchorage to solid masonry or concrete, bolt or ballistic fastener for anchorages to steel.

.3 Adhesives: as required.

Part 3 Execution

3.1 FRAMING

.1 Set members level and plumb, in correct position.

.2 Place horizontal members, crown side up.

.3 Place miscellaneous blocking, furring, strapping, canting, nailing strips, framing where indicated on drawings and as required for secure support or anchorage of other specified materials. Place members true to lines and levels. Secure rigidly in place.

.4 Coordinate the installation of bucks, anchors, blocking, electrical and mechanical work which is to be placed in or behind metal framed partitions. Allow such items to be installed after partition framing is complete. Ensure that allowance is made for thickness of wall finish to be applied.

END OF SECTION

Part 1 General

1.1 REFERENCES

.1 ANSI A208.1 – Particleboard

.2 AWI/AWMAC – Architectural Woodwork Standards

.3 CAN3 A172 – High Pressure Paper Base, Decorative Laminates

.4 CSA 0121 - Douglas Fir Plywood

.5 CSA 0151 – Canadian Softwood Plywood

.6 NEMA (National Electric Manufacturers Association) LD3 - High Pressure Decorative Laminates

1.2 SUBMITTALS FOR REVIEW

.1 Product Data: for all products listed.

.2 Shop Drawings: Indicate materials, component profiles and elevations, assembly methods, surface graining elevations of sheet paneling, joint details, fastening methods, accessory listings, hardware and schedule of finishes.

.3 Samples: as required and as indicated throughout specification.

1.3 QUALITY ASSURANCE

.1 Perform work in accordance with AWI/AWMAC Custom quality.

.2 Manufacturer Qualifications: Company specializing in manufacturing the Products specified in this section with minimum five (5) years documented experience and a certified member, in good standing, with AWI/AWMAC.

1.4 DELIVERY, STORAGE, AND PROTECTION

.1 Protect work from moisture damage.

.2 Store materials in ventilated interior locations with constant temperature range of 15.5 to 32 degrees C and relative humidity range of 17 to 50 percent.

1.5 COORDINATION

.1 Coordinate work with plumbing and electrical rough-ins, installation of associated and adjacent components.

1.6 FIELD MEASUREMENTS

.1 Field measurements are the sole responsibility of the fabricator.

Part 2 Products

2.1 SHEET MATERIALS

.1 Plywood: graded in accordance with AWI/AWMAC; veneer core; sanded both sides; thicknesses per AWI/AWMAC standards:

.1 Douglas Fir, to CSA 0121 or

.2 Construction Grade Spruce, to CSA 0151

.2 Particleboard: ANSI A208.1; composed of wood fibre; no added urea formaldehyde (NAUF); Grade M2 minimum; moisture resistant adhesive; sanded faces; thicknesses per AWI/AWMAC standards.

.3 Stainless Steel Counter: 16 or 18 gauge stainless steel, Type 304, No. 4 finish; laminated to high density particleboard or steel channels; sound deadening sealant applied to underside of top surface; complete with marine edge and back splash; thicknesses per AWI/AWMAC standards:

2.2 PLASTIC LAMINATE MATERIALS

.1 High Pressure Laminate (HPL): to NEMA LD 3

.1 Type: General purpose

.2 Grade: HGS

.3 Size: 1.22 mm thick

.4 Colour: charcoal grey

.5 Pattern: solid

.6 Finish: matte

.2 Backing Sheet: to NEMA LD 3

.1 Type: Backer

.2 Grade: BKH & BKM

.3 Size: not less than 0.5 mm thick or same thickness as face laminate

.4 Colour: same colour as face laminate

.3 Adhesive: Type recommended by laminate manufacturer to suit application.

2.3 ACCESSORIES

.1 Fasteners: Of size and type to suit application; specified finish in concealed and exposed locations.

.2 Adhesives: Types recommended to suit applications.

.3 Sealant: Refer to Section 079200.

2.4 HARDWARE

.1 Shelf Supports: 5 mm metal pins, zinc finish; 32 mm on centre adjustability.

2.5 PLASTIC LAMINATE CASEWORK FABRICATION

.1 Fabricate to AWI/AWMAC Custom quality standards.

.2 Shop finish and shop assemble work for delivery to site, permitting passage through building openings.

.3 All casework to be fabricated as follows unless otherwise noted.

- .1 Cabinets: Base and Upper
  - .1 Ladder Base: veneer core plywood. Refer to Drawings for finish.
  - .2 Cabinet
    - .1 Construction: particleboard NAUF
    - .2 Finish: HPL, with self-edge
- .2 Shelves
  - .1 Construction: particleboard NAUF
  - .2 Finish: HPL, with self-edge; fixed and adjustable

.4 When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.

.5 Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises.

.6 Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.

.7 Dado, dowel, or lock joint and glue all drawer joints.

Part 3 Execution

3.1 EXAMINATION

.1 Verify that field measurements are as indicated on shop drawings.

.2 Verify adequacy of backing and support framing.

.3 Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.

3.2 INSTALLATION

.1 Install work to AWI/AWMAC Custom Quality Standard.

.2 Set and secure materials and components in place, plumb and level.

.3 Use fixture attachments in concealed locations for wall mounted components.

.4 Use concealed joint fasteners to align and secure adjoining cabinet units and countertops.

.5 Carefully scribe casework abutting other components, with maximum gaps of 0.8 mm. Do not use additional overlay trim for this purpose.

.6 Secure cabinet and counter bases to floor using appropriate angles and anchorages.

3.3 ERECTION TOLERANCES

.1 Maximum Variation from True Position: 1.5 mm.

.2 Maximum Offset from True Alignment with Abutting Materials: 0.7 mm.

END OF SECTION